

IN THE CLAIMS:

Please AMEND claim 1, as follows:

1. (Currently Amended) A sheet handling apparatus comprising:

a stack tray which stacks a sheet or a sheet bundle;

support unit capable of moving selectively to a support position at which it supports the lower face of the sheet or the sheet bundle, or an escape position at which it escapes from the lower face of said sheet or said sheet bundle; and

change-over control portion which changes the support position and the escape position of said support unit;

wherein[[,]] said change-over control portion moves said support unit from the support position to the escape position at a first moving velocity thereby to drop the sheet or the sheet bundle onto said stack tray, and then moves said support unit at a second moving velocity from the escape position to the support position thereby to push the sheet or the sheet bundle toward said stack tray so as to align the sheet or the sheet bundle, and

wherein said second moving velocity is slower than said first moving velocity.

2. (Previously Presented) A sheet handling apparatus according to Claim

1,

wherein said change-over control portion includes a detection sensor which detects the movement of the sheet or the sheet bundle thereby to control the movement of said support unit on the basis of the detection result of said detection sensor.

3. (Previously Presented) A sheet handling apparatus according to Claim 1, further comprising:

a handling tray capable of stacking a plurality of sheets temporarily on the upstream side of said stack tray in the sheet conveyance direction thereby to handle the sheet or the sheet bundle; and

a conveyance portion capable of conveying the sheet or the sheet bundle from said handling tray toward said stack tray,

wherein said support unit supports the lower face of the sheet or the sheet bundle which is conveyed by said conveyance portion.

4. (Previously Presented) A sheet handling apparatus according to Claim 3, further comprising:

at least one aligning unit which aligns the sheets stacked on said handling tray and a staple unit which staples the sheet bundle.

5. (Previously Presented) A sheet handling apparatus according to Claim 3,

wherein said conveyance portion can move selectively to the support position for supporting the upper face of the sheet or the sheet bundle, or to the escape position escaped from the upper face of the sheet or the sheet bundle.

6. (Previously Presented) A sheet handling apparatus according to Claim 1, further comprising:

a sheet returning member which returns the sheet or the sheet bundle toward said support unit each time they are discharged onto said stack tray.

7. (Previously Presented) A sheet handling apparatus according to Claim 1,

wherein said stack tray includes a substantially horizontal sheet stacking face.

8. (Previously Presented) A sheet handling apparatus according to Claim 1,

wherein said stack tray can ascend and descend.

9. (Previously Presented) An image forming apparatus comprising:
a sheet handling apparatus according to Claim 1; and
an image forming portion which forms an image on a sheet to be conveyed to said sheet handling apparatus.

10. (Previously Presented) An image forming apparatus comprising:
a sheet handling apparatus according to Claim 2; and
an image forming portion which forms an image on a sheet to be conveyed to said sheet handling apparatus.

11. (Previously Presented) An image forming apparatus comprising:

an image forming portion which forms an image on a sheet;

a stack tray which stacks the image-formed sheet or sheet bundle;

support unit capable of moving selectively to a support position at which it supports the lower face of the image-formed sheet or the sheet bundle, or an escape position at which it escapes from the lower face of said sheet or said sheet bundle; and

change-over control portion which changes the support position and the escape position of said support unit,

wherein said change-over control portion moves said support unit from the support position to the escape position at a first moving velocity thereby to drop the sheet or the sheet bundle onto said stack tray, and then moves said support unit at a second moving velocity from the escape position to the support position thereby to push the sheet or the sheet bundle toward said stack tray so as to align the sheet or the sheet bundle, and

wherein said second moving velocity is slower than said first moving velocity.

12. (Previously Presented) An image forming apparatus according to Claim 11,

wherein said change-over control portion includes a detection sensor which detects the movement of the sheet or the sheet bundle thereby to control the movement of said support unit on the basis of the detection result of said detection sensor.

13. (Previously Presented) A sheet handling apparatus comprising:

stack tray which stacks a sheet or a sheet bundle;

a first support unit capable of moving selectively to a support position at which it supports the upper face of the sheet or the sheet bundle, or an escape position at which it escapes from the upper face of said sheet or said sheet bundle;

a second support unit capable of moving selectively to a support position at which it supports the lower face of the sheet or the sheet bundle, or an escape position at which it escapes from the lower face of said sheet or said sheet bundle;

change-over control portion which changes the support position and the escape position independently of said first support unit and said second support unit; and

wherein said change-over control portion controls the individual timings, at which said first support unit and said second support unit move from the support position to the escape position, thereby to drop the sheet or the sheet bundle onto said stack tray, and then moves said second support unit from the escape position to the support position thereby to push the sheet or the sheet bundle toward said stack tray so as to align the sheet or the sheet bundle.

14. (Previously Presented) A sheet handling apparatus according to Claim 13,

wherein the change-over control portion controls the timing at which said first support unit moves to the escape position so that it becomes simultaneous with or earlier than the timing at which said second support unit moves to the escape position.

15. (Previously Presented) A sheet handling apparatus according to Claim 13, further comprising:

a handling tray capable of stacking a plurality of sheets temporarily on the upstream side of said stack tray in the sheet conveyance direction; and

a conveyance portion capable of conveying the sheet or the sheet bundle from said handling tray toward said stack tray,

wherein said first support unit includes said conveyance portion, and

wherein said second support unit supports the lower face of the sheet or the sheet bundle which is conveyed by said conveyance portion.

16. (Previously Presented) A sheet handling apparatus according to Claim 15, further comprising:

at least one aligning unit which aligns the sheets stacked on said handling tray and a staple unit which staples the sheet bundle.

17. (Previously Presented) A sheet handling apparatus according to Claim 13,

wherein said second support unit has a lower elastic force in the supporting state than that of said first support unit in the supporting state.

18. (Previously Presented) An image forming apparatus comprising:

a sheet handling apparatus according to Claim 13; and

image forming portion which forms an image on a sheet to be conveyed to said sheet handling apparatus.

19. (Previously Presented) An image forming apparatus comprising:
a sheet handling apparatus according to Claim 14; and
image forming portion which forms an image on a sheet to be conveyed to said sheet handling apparatus.

20. (Previously Presented) An image forming apparatus comprising:
image forming portion which forms an image on a sheet;
stack tray which stacks the image-formed sheet or sheet bundle;
first support unit capable of moving selectively to a support position at which it supports the upper face of the image-formed sheet or sheet bundle, or an escape position at which it escapes from the upper face of the sheet or the sheet bundle;

second support unit capable of moving selectively to a support position at which it supports the lower face of the sheet or the sheet bundle, or an escape position at which it escapes from the lower face of said sheet or said sheet bundle; and

change-over control portion which changes the support position and the escape position independently of said first support unit and said second support unit,

wherein said change-over control portion controls the individual timings at which said first support unit and said second support unit move from the support position to the escape position, thereby to drop the sheet or the sheet bundle onto said stack tray, and then

moves said second support unit from the escape position to the support position thereby to push the sheet or the sheet bundle toward said stack tray so as to align the rear end of the sheet or the sheet bundle.

21. (Previously Presented) An image forming apparatus according to Claim 20,

wherein said change-over control portion includes a detection sensor which detects the movement of the sheet or the sheet bundle thereby to control the movements of said first support unit and said second support unit on the basis of the detection result of said detection sensor.